

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

HAER
NJ,
16-PAT,
16-

Great Falls/SUM Power Canal System
2.4 mile course through Paterson
East of the Passaic River
Passaic County, New Jersey

HAER No. NJ-2

Documentation: 14 photographs
51 data pages

Jack Boucher, Photographer December 1973

- NJ-2-1 AERIAL VIEW LOOKING WEST SHOWING DROP FROM MIDDLE TO LOWER RACEWAY.
- NJ-2-2 AERIAL VIEW LOOKING NORTHWEST SHOWING TAIL END OF LOWER RACEWAY,
WHERE IT EMPTIES BACK INTO PASSAIC RIVER.
- NJ-2-3 AERIAL VIEW LOOKING NORTHEAST SHOWING UPPER AND MIDDLE RACEWAYS,
WITH ROGERS LOCOMOTIVE AND MACHINE WORKS IN FOREGROUND.
- NJ-2-4 AERIAL VIEW LOOKING SOUTH SHOWING MIDDLE RACEWAY, WITH DANFORTH
(COOKE) LOCOMOTIVE AND MACHINE CO.: MILL #2.
- NJ-2-5 AERIAL VIEW LOOKING WEST SHOWING MIDDLE RACEWAY.
- NJ-2-6 AERIAL VIEW LOOKING EAST NORTHEAST SHOWING MIDDLE RACEWAY.
- NJ-2-7 AERIAL VIEW LOOKING EAST SHOWING MIDDLE RACEWAY AT REAR OF ESSEX MILL.
- NJ-2-8 DROP FROM MIDDLE TO LOWER RACEWAY BEHIND ESSEX MILL.
- NJ-2-9 DROP FROM MIDDLE TO LOWER RACEWAY SHOWING ESSEX MILL AT LEFT.
- NJ-2-10 DROP FROM UPPER TO MIDDLE RACEWAY AT IVANHOE MILL WHEELHOUSE.
- NJ-2-11 LOWER RACEWAY ALONG VAN HOUTEN STREET LOOKING WEST.
- NJ-2-12 LOWER RACEWAY ALONG VAN HOUTEN STREET LOOKING WEST ALONGSIDE HARMONY
AND PHOENIX MILLS..
- NJ-2-13 OLD FENCE POST NEXT TO LOWER RACEWAY ALONG VAN HOUTEN STREET LOOKING
EAST.
- NJ-2-14 LOWER RACEWAY ALONG VAN HOUTEN STREET LOOKING EAST.

HISTORIC AMERICAN ENGINEERING RECORD
INDEX TO PHOTOGRAPHS

HAER
NJ,
16-PAT,
16-

Addendum to:
Great Falls/S.U.M.
Power Canal System
Paterson, New Jersey
Passaic County

Photographer: Jack Boucher, April 1975

- NJ-2-15 Middle raceway with the Ivanhoe Mill Wheelhouse and Grant Locomotive Works in the right, and showing the bridge carrying Spruce Street over the middle raceway.
- NJ-2-16 View of the iron penstock, recorded on a 1915 Sanborn Map, from the south, with ruins of the Ivanhoe Wheelhouse.
- NJ-2-17 View of the upper raceway from the east, looking towards the S.U.M. Gatehouse and entrance to the power canal system.
- NJ-2-18 View of the upper raceway from south of the Rogers Locomotive Works Wheelhouse penstock foundation.
- NJ-2-19 View from the end of the upper raceway showing the gate structures of the Dolphin Mill.
- NJ-2-20 View of the Spruce Street Bridge over the upper raceway tailrace.
- NJ-2-21 Original S.U.M. Gatehouse with hydroelectric generating plant in the background. View is from the southwest.
- NJ-2-22 View of the 1840 "Island Dam" on the Passaic River.
- NJ-2-23 Remains of the iron penstock, located between the upper raceway and the upper raceway tailrace, looking towards the Rogers Locomotive Works Fitting Shop.

- NJ-2-24 View of the Industry Mill tailrace from the south, with the Industry Mill on the left.
- NJ-2-25 View of the top of the dam separating the the middle and lower raceways.
- NJ-2-26 View of the dam between the middle and lower raceways from the upstream side, with the Waverly Mill and other buildings of the Allied Textile Printers complex in the background.
- NJ-2-27 Detail of the mechanism for raising and lowering the level of the spillway between the middle and lower raceways.
- NJ-2-28 View of the spillway from the upper to the middle raceway.
- NJ-2-29 View of the remains of one of the gates to the Hamilton Mill headrace from the southwest.
- NJ-2-30 View to the south showing the east wall of the middle raceway.
- NJ-2-31 View of gate structures on the raceway system.
- NJ-2-32 Detail of gate structures on the raceway system.
- NJ-2-33 Detail of gate structures with trash racks.
- NJ-2-34 View of the falls from the middle to the lower raceway, with the acrh of the Essex Mill tailrace visible on the left. This portion of the Essex Mill dates from 1856.
- NJ-2-35 View of the falls from the middle to the lower raceway with the 1856 addition to the Essex Mill visible on the left, and the Colt Gun Mill on the right.
- NJ-2-36 View of the Passaic River with the Allied Textile Printers complex in the background.
- NJ-2-37 Spillway from the upper to the middle raceway, with the Ivanhoe Mill Wheelhouse on the right

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

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Paterson
Passaic County
New Jersey

HAER NJ-2

Photographs HAER No. NJ-2-1 to NJ-2-37 were transmitted previously to the Library of Congress.

INDEX TO BLACK AND WHITE PHOTOGRAPHS

Jack E. Boucher, photographer, 1973

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| NJ-2-38 | View west along Lower Raceway, Van Houten Street, with (left to right) Congdon Mill, Phoenix Mill, and Fabricolor Mill (a.k. a., Industry Mill, HAER No. NJ-15) |
| NJ-2-39 | View down and east from the Upper Tier of Upper Raceway, Rogers Storage Building immediate right, Rogers Frame Fitting Shop (HAER No. NJ-3-B) in background |
| NJ-2-40 | Upper Raceway looking north (up stream) |
| NJ-2-41 | Upper Raceway, Upper Tier, oblique view east with non-historic pentstock gate apparatus at center |
| NJ-2-42 | Upper Raceway, Upper Tier view north |
| NJ-2-43 | Middle Raceway headrace, view north, immediately east of the Spruce Street Bridge |
| NJ-2-44 | Upper Raceway tailrace, oblique view east with Rosen Mill elevation at upper right |
| NJ-2-45 | Upper Raceway bypass (originally Ivanhoe Works Flume) view from Upper Raceway east across McBride/Spruce Street intersection |

GREAT FALLS/S. U. M. POWER CANAL SYSTEM
HAER NJ-2
INDEX TO PHOTOGRAPHS

NJ-2-46	Upper Raceway tailrace (left) view looking south
NJ-2-47	Middle Raceway north bank and wall between Spruce Street Bridge and Glenroe Building (upper right)
NJ-2-48	Upper Raceway bypass (originally Ivanhoe Works Flume), view northwest from the Spruce Street Bridge
NJ-2-49	Middle Raceway north bank and wall view northeast between Spruce Street and Glenroe Building (upper right), gas station at top center
NJ-2-50	Middle Raceway spillway, north elevation of Essex Mill (HAER No. NJ-6)
NJ-2-51	Interior view southeast, processing vats, Cooke Locomotive Works remnants, west and south elevation of Cooke Mill (upper right)